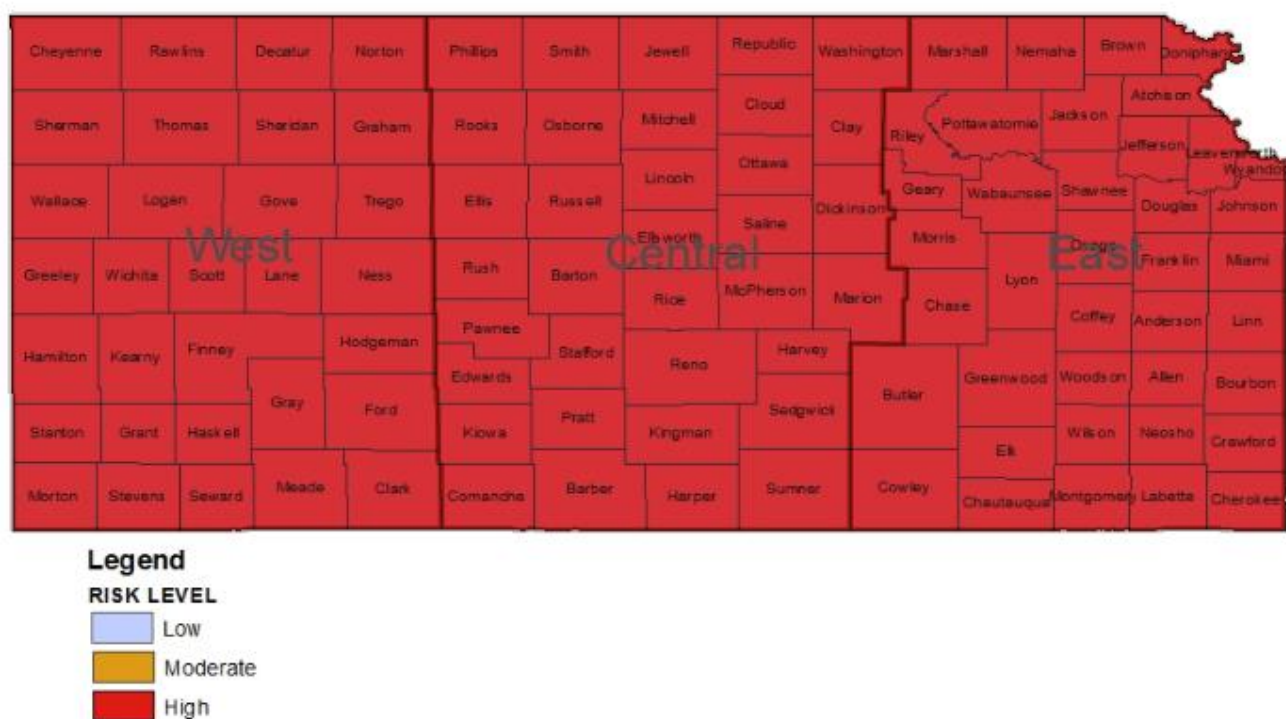


# Kansas West Nile Virus (WNV) Weekly Surveillance and Transmission Risk Report

Week Ending June 16, 2017 (Week 4)

## *West Nile virus Transmission Risk Level\* by Region*



### **\*West Nile Virus Risk**

**Minimal** – The mosquito species that carries WNV has not been detected. This does not mean the risk is zero.

**Low** – The mosquito species that carries WNV has been detected. There is a low probability of being bitten by an infected mosquito.

**Moderate** – At least one human cases of WNV has been reported to KDHE. There is a moderate probability of being bitten by an infected mosquito.

**High** – High numbers of WNV positive mosquitoes have been detected. There is an increased and high probability of being bitten by an infected mosquito.

## **What You Can Do**

### **To Prepare:**

- Know your risk – check regularly at [http://www.kdheks.gov/epi/arboviral\\_disease.htm](http://www.kdheks.gov/epi/arboviral_disease.htm)
- [Mosquito-Proof Your Home](#):
  - Keep screens on windows and doors in good repair.
  - Use air conditioning if you have it.
  - DRAIN - Reduce number of mosquitoes around your home by emptying standing water from flowerpots, gutters, buckets, pool covers, pet water dishes, discarded tires, and birdbaths on a regular basis.

### **To Prevent:**

- Avoid Mosquito Bites
  - [DEET](#) – When outdoors wear mosquito [repellent](#) between dusk to dawn. Repellents containing DEET, picaridin, IR3535, and some oil of lemon eucalyptus and para-menthane-diol products provide longer-lasting protection. Be sure to read the label instructions
  - [DRESS](#) – When weather permits wear long sleeves, long pants, and socks from dusk to dawn (peak WNV mosquito biting hours).
  - People over 50 or those who are immune compromised may consider adjusting outdoor activity to avoid peak mosquito hours (from dusk to dawn).

## **Highlights this week:**

- Weekly mosquito surveillance has begun in Reno, Sedgwick, and Shawnee counties. Bi-weekly mosquito surveillance has begun in Johnson County.
- The West Nile virus (WNV) positive mosquitoes have been found in Shawnee county.
- One WNV human case investigation is in progress.
- One case of WNV in humans has been confirmed in Barton County.
- No veterinary cases of WNV were identified this week.

## **Mosquito Surveillance Results, Week Ending May 26, 2017 (Week 1)**

Table 1: Average Number of Total Mosquitoes and Culex Spp. Mosquitoes Captured by Date and Region in Kansas, 2017.

	WEST & CENTRAL						EAST				
	Sedgwick			Reno			Shawnee			Johnson*	
Week Ending, 2017	Total Mosquitoes	Culex spp.	Two-Week Mean, Culex spp.	Total Mosquitoes	Culex spp.	Two-Week Mean, Culex spp.	Total Mosquitoes	Culex spp.	Two-Week Mean, Culex spp.	Total Mosquitoes	Culex spp.
5/17	48	24	—				18	9	—	830	10
5/24	81	24	24				21	4	6.5	—	—
5/31	125	45	34.5				176	10	7	249	2
6/7	105	4	24.5							—	—

Table 2: West Nile Virus Mosquito Test Results by Date and County in Kansas, 2017.

## **West Nile Virus Human Cases, 2017 and 2002-2016**

Table 3: West Nile Virus Surveillance in Humans, 2017 (as of week ending June 16, 2017)

County	Number of Cases
Barton	1

Table 4: Kansas Human West Nile Virus Cases 2002 – 2016\*

*\*Data from individual traps are used to guide mosquito control efforts. Data from a trap may be excluded when assigning a risk level to a region if only one location within a county has excessively high numbers. We will work with the county and city to provide recommendations on mosquito control efforts using the mosquito surveillance data.*

For more information on arboviral disease surveillance in Kansas call the Kansas Department of Health and Environment's Infectious Disease Epidemiology and Response section at 1-877-427-7317 or e-mail at [kdhe.EpiHotline@ks.gov](mailto:kdhe.EpiHotline@ks.gov).

